

Abstract Of the Disclosure

A wear resistance coated bell atomizer (32) and method for making same. The coating applied to the outer surface of a bell cup (36) of the bell atomizer (32) is preferably a silicon-doped amorphous carbon coating. This silicon-doped amorphous carbon coating significantly increases the usable life of a bell cup (36) in a bell atomizer paint system (10) by limiting the effects of abrasive materials on the wearable surfaces of the bell cup (36), including the top serrated edges (46), which may negatively affect the performance of uncoated bell atomizer spray equipment.